

**Notice of Allowability**

Application No.

10/764,129

Examiner

Christopher M. Brandt

Applicant(s)

DUGGI, MOHAN R.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/23/2007.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

*GG B26*  
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Art Unit 2617  
12/21/2007

*Reasons for Allowance*

**Claims 1-20** are allowed.

The prior art made of record fails to teach a controller that receives a Path Marker Request message generated by said source MANET node and retrieves first route topology data associated with said first route from said first Path Marker Request message, said first route topology data identifying all intermediate MANET nodes in said first route coupling said first MANET node to said source MANET node.

Billhartz in view of Lipasti et al. (hereinafter Lipasti) disclose a method for operating a mobile ad hoc network over a plurality of channels. This network includes a plurality of wireless mobile nodes and a plurality of wireless communication links connecting the plurality of nodes together over the plurality of channels. In addition, Billhartz teaches that the route is determined by the intermediate nodes on at least one of the plurality of channels. In addition, a route request may be sent over each of the plurality of channels sequentially, and the route request preferably includes a source node channel identifier. Billhartz also discusses that each mobile node includes a router that has a communication device to wirelessly and bi-directionally communicate with other nodes over multiple channels via the wireless communication links, where On-Demand or Reactive routing protocol such as Ad-Hoc On-Demand Distance Vector (AODV) can be applied. Moreover, Billhartz discloses controller that includes a route discovery unit to transmit route requests over each of the plurality of channels to discover routing to the destination node, and a route selection unit to select a route to the destination node on at least one of the plurality of channels. Lastly, Billhartz describes that the source node sends the route request to intermediate nodes and if the node can support the particular request, then the node

forwards the route request to other intermediate nodes, where the source node sends the route request to intermediate nodes. Billhartz as modified by Lipasti teaches routing addresses, however, does not disclose route topology.

Therefore, **claims 1-20** are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statements of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Brandt whose telephone number is (571) 270-1098.

The examiner can normally be reached on 7:30a.m. to 5p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on (571) 272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or

Application/Control Number:  
10/764,129  
Art Unit: 2617

Page 4

access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or  
571-272-1000.


Any inquiry of a general nature or relating to the status of this application or proceeding  
should be directed to the receptionist/customer service whose telephone number is (571) 272-  
2600.

*CMB*

Christopher M. Brandt

C.M.B./cmb

December 21, 2007

  
Rafael Perez-Gutierrez  
Supervisory Patent Examiner  
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Art Unit 2617  
12/26/07